

4.2.D. 05130203040.

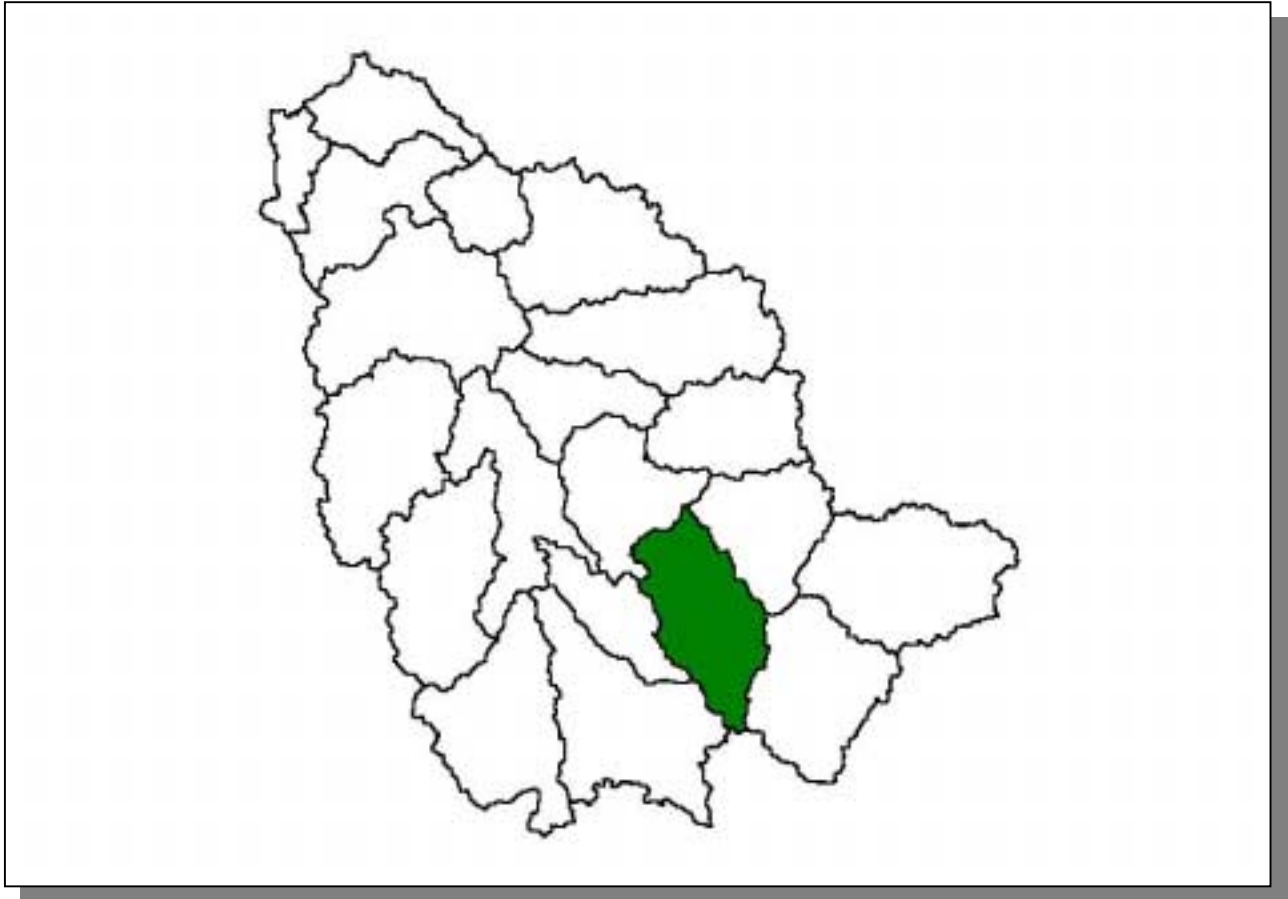


Figure 4-18. Location of Subwatershed 05130203040. All Stones HUC-14 subwatershed boundaries are shown for reference.

4.2.D.i. General Description.

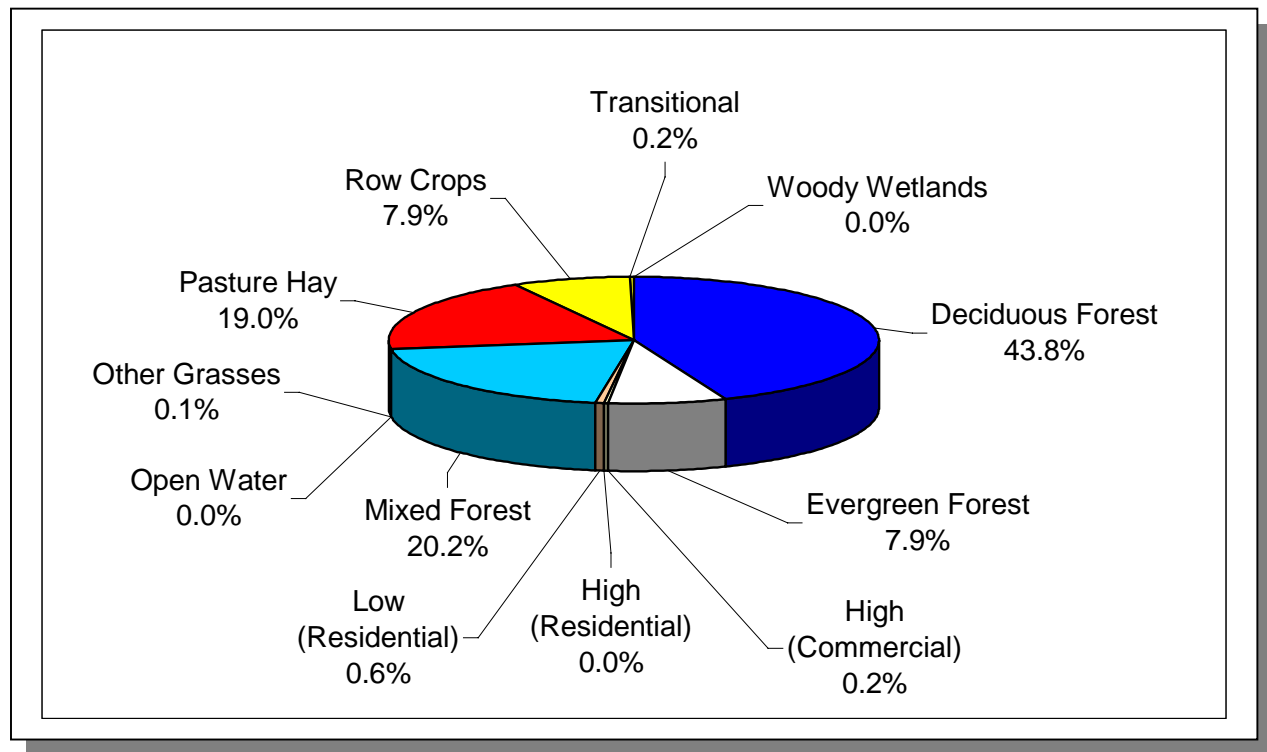


Figure 4-19. Land Use Distribution in Subwatershed 05130203040. More information is provided in Stones-Appendix IV.

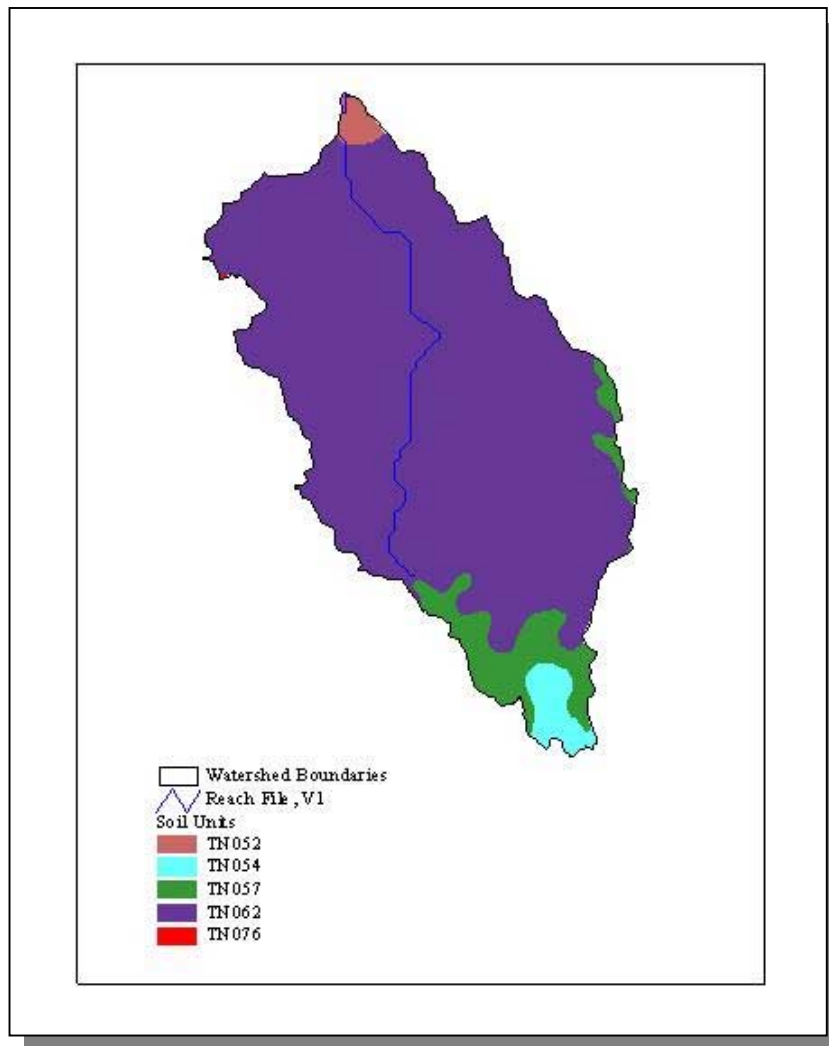


Figure 4-20. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 05130203040.

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN052	0.00	B	1.23	5.46	Silty Loam	0.39
TN054	0.00	C	3.04	4.84	Loam	0.32
TN057	0.00	C	1.14	5.01	Clay Loam	0.33
TN062	0.00	C	0.98	4.40	Clay Loam	0.26
TN076	28.00	C	0.73	6.26	Silty Clay Loam	0.33

Table 4-19. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 05130203040. More information is provided in Stones-Appendix IV.

	COUNTY POPULATION			ESTIMATED POPULATION IN WATERSHED		% CHANGE
County	1990	1997 Est.	Portion of Watershed (%)	1990	1997	
Cannon	10,467	12,011	0.06	6	7	16.7
Coffee	40,339	45,347	0.09	35	40	14.3
Rutherford	118,570	159,987	7.88	9,344	12,607	34.9
Totals	169,376	217,345		9,385	12,654	34.8

Table 4-20. Population estimates in Subwatershed 05130203040.

4.2.D.ii. Point Source Contributions.



Figure 4-21. Location of Active Point Source Facilities (Individual Permits) in Subwatershed 05130203040. More information, including the names of facilities, is provided in Stones-Appendix IV.

4.2.D.ii.a. Dischargers to Water Bodies Listed on the 1998 303(d) List.

There is one NPDES facility discharging to water bodies listed on the 1998 303(d) list in Subwatershed 05130203040:

- TN 0067253 discharges to Cripple Creek @ RM 5.2



Figure 4-22. Location of NPDES Discharger to Water Bodies Listed on the 1998 303(d) List in Subwatershed 05130203040. The names of facilities are provided in Stones-Appendix IV.

PERMIT #	7Q10	1Q20	30Q2	QDESIGN
TN0067253	0	0	0	0.019

Table 4-21. Receiving Stream Flow Information for NPDES Dischargers to Water Bodies Listed on the 1998 303(d) List in Subwatershed 05130203040. Data are in million gallons per day (MGD). Data were calculated using data in Flow Duration and Low Flows of Tennessee Streams Through 1992.

PERMIT #	CBOD ₅	NH ₃	FECAL
TN0067253	X	X	X

Table 4-22. Monitoring Requirements for NPDES Dischargers to Waterbodies Listed on the 1998 303(d) List in Subwatershed 05130203040.

4.2.D.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)						
Beef Cow	Cattle	Milk Cow	Chickens	Chickens Sold	Hogs	Sheep
1,296	2,716	168	<5	977	64	27

Table 4-23. Summary of Livestock Count Estimates in Subwatershed 05130203040. According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Cannon	88.5	88.5	1.7	7.1
Coffee	114.4	114.2	2.8	12.7
Rutherford	155.7	155.7	0.4	0.9

Table 4-24. Forest Acreage and Average Annual removal rates (1987-1994) in Subwatershed 05130203040.

CROPS	TONS/ACRE/YEAR
Non Agricultural Land Use	0.00
Berry (Horticultural)	0.47
Corn (Row Crops)	3.68
Soybeans (Row Crops)	2.92
Cotton (Row Crops)	4.78
Grass (Hayland)	0.21
Legume (Hayland)	0.32
Legume Grass (Hayland)	0.49
Grass (Pastureland)	0.89
Legume (Pastureland)	0.12
Grass, Forbs, Legumes (Mixed Pasture)	0.54
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.47
Conservation Reserve Program Land	0.28
Wheat (Close Grown Cropland)	10.98
Other Vegetable and Truck Crop	4.37
Other Cropland not Planted	6.68

Table 4-25. Annual Soil Loss in Subwatershed 05130203040.